

Title (en)
SPARK PLUG

Title (de)
ZÜNDKERZE

Title (fr)
BOUGIE D'ALLUMAGE

Publication
EP 1239563 B1 20100616 (EN)

Application
EP 00981670 A 20001213

Priority
• JP 0008798 W 20001213
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Abstract (en)
[origin: EP1239563A1] An object is to realize a spark plug which is less affected by "carbon fouling," has a long service life, and exhibits excellent ignition characteristics. An air gap (α) is formed between a parallel ground electrode 11 and an end face of a center electrode 2; a semi-creepage gap (β) is formed between an end face 12C of a semi-creeping discharge ground electrode 12 and a circumferential side surface 2A of the center electrode 2; and an insulator gap (γ) is formed between the end face 12C and a circumferential side surface 1E of an insulator 1. The air gap (α) and the semi-creepage gap (β) satisfy a relationship $\alpha < \beta$; and the air gap (α) and the insulator gap (γ) satisfy a relationship $\alpha > \gamma$. The air gap (α) is not greater than 1.1 mm; the insulator gap (γ) falls within a range of 0.5 mm to 0.7 mm; and a diametral difference (δ) between the insulator and a metallic shell as measured at the front end face of the metallic shell is not less than 3.6 mm. <IMAGE>

IPC 8 full level
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CPC (source: EP US)
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